## DON'T FAIL TO READ THIS!

AMERICAN TITLES,

College Begrees and Official Titles-Remi-To THE EDITOR OF THE SUN-SUI Not long since a gentleman who meant to be polito, and who affects English spelling, addressed a letter to me as follows: "The Honourable George Ticknor Curtis, LL. D., etc., eto, etc." I never held any public office or posttion which, by a custom that would be more honored in the breach than the observance, is supposed to put the prefix of honorable to a man's name; nor did I ever receive from my own Harvard or any other institution of learn-

ing the degree of LL. D., or any other hon-orary degree. The fondness of our people for titles and the readiness with which they are bestowed is remarkable. By Western men I am semetimes called Colonel or Judge, but more commonly the latter. It has been my ambition through life to be known only as "Mr." I have been an author for fifty years in various; departments—in jurisprudence, in history, in blography, in philosophy, and in politics. My name is on the title page of many books, but I have never appended to it a list of honorary degrees or memberships in different literary societies, for the reason that I have not had them to append.

When I was in college at Harvard, more than sixty years ago, there dwelt at Cambridgeport a Mr. Thomas Dowse, who carried on the respectable occupation of a leather dresser. Being a prosperous man, and a bachelor, he accumulated a good property. He built :a handsome house on the main street, in which he had an apartment on the second floor where he lived. It was customary in those days for tradespeople to put in front of their shops some image which typified their business. Mr. Dowse had a figure of a sheep in full fleece. erected on a high column in front of his building. His manufacture of leather, chiefly sheenskin was carried on in the rear of his premises. He had a fondness for accumulating books in fine binding, mostly English classics. At the time of which I speak he had classics. At the time of which I speak he had quite a large library, and the corporation and oversears of Harvard University, thinking that they could induce him to bequeath his library to the college, made him an LL. D. I fancy that the worthy man did not know much about the inside of his books, nor do I remember what disposition he uitimately made of them. One of the college wags, after the degree was conferred, dubbed him 'Literary Leather Dresser.'

About the same time there was a dean of the

and a large, Higher, and the congression and chain time of color them in the the world in the color of the co

other respects and in all other wars the liberties of the people were in their own Resping.

The course of settling this precedent, which rejected the use of all other titles than the constitutional mans of the office, shows that it was a matter with which washington, in the war in the

BOILERS OF THE DARING.

HOW THE STEAM IN GENERATED FOR A ST-KNOT CRAFT.

Characteristics of the New British Torpedo Bent Bestrayers - Arrangement of the Tubes in the Thurnycroft Botters. The success which attended the steam trial of England's new torpedo boat Havock has caused the progress of the remainder of the class of which she is the pioneer to be watched with great interest. Twenty of them in all are to be built, if the plan is carried out. They are officially called torpedo boat destroyers, being intended to protect the British fleet from the attacks of an enemy's torpedo boats. They

have a larger displacement than a torpedo boat proper, being perhaps intermediate between the latter and the torpedo gun-boat. They are able to carry more powerful machinery and to achieve the very high speed of twenty-seven knots, which is fixed for the class. In addition, they can fully perform all the functions of a torpedo boat in attacking

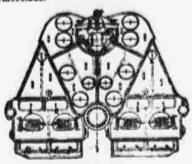


FIG. 1. PRONT ELEVATION.

An account was recently given in THE SUS of the main characteristics of the Havock and her mates. The Daring, one of the latest of the type, launched recently from the yard of Mesers. J. I. Thornycroft & Co. at Chiswick, was the first of two which this firm have contracted to build. She has a length of 185 feet, a breadth of 19 feet, and a draught of 6 feet, the displacement being 220 tons. The armament will consist of one 12-pounder and three 6-pounder rapid-fire guns. There are three torpedo tubes for the 18-inch Whitehead torpedoes. It will be seen that the displacement of this vessel is nearly twice as great as that of the Cushing, which it far exceeds in speed.

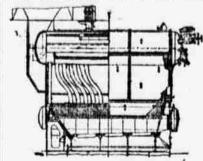


FIG. 2. LONGITUDINAL ELEVATION, PARTLY IN SECTION.

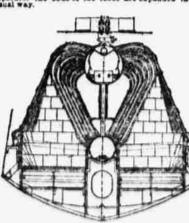
Turning to the machinery, it is found that the twin-screw engines are to be of the "three-stage compound type," each set having four cylinders, the high pressure being 19 inches in diameter, the intermediate 27, and the two low-pressure cylinders each 27, with a stroke of 16 inches. The contract is for 3,500 indicated horse power, or about double; that of the Cushing and the Ericsson, and the boiler pressure is designed to be 210 pounds.

The boilers, of which there are three, are es-

pecially interesting. They are a modification of the Thornycroft boiler put in the Ariete half a dozen years ago, and more resembling those of the new torpedo boat Speedy tried not long ago. The London technical journal Engineering, from which the accompanying cuts are taken,

from which the accompanying cuts are taken, notes, however, that in place of two wing cylinders at the bottom, and a separator or steam collector cylinder at the top, this boiler has one large lower cylinder and two small supplementary wing pipes at the sides:

The great area is disposed on each side of the lower cylinder, so that there are two furnaces to each boiler, in place of one furnace, as in the older design. The main part of the heating surface is supplied by the series of tubes that connect the top and bottom cylinders. For the sake, entedy, of insulation, a series of curbed tubes run from the top cylinder to the two large pipes placed in the wings. These tubes are placed close logistic, excepting where they are expanded into the top cylinder and connected to the wing pipes respectively. Where the exigences of construction compet them to be separated. Every alternate tube of this series in at the beat outward, as shown in the cross-sectional illustration, and the spaces thus formed are storped by fire time, as shown. It will be seen that these two outer series of tubes, being placed toose togetier, formal and the furnace in prevented from attackness to prevented from attackness as a construction of the series of these twenty of the other when it formed at series of the series of these twenty placed toose togetier, formal and the furnace in prevented from attackness as the content of the series of the other when it formed at series of content of the series of the other when it formed at series of the other when it formed at series of tubes, being placed close together, forgian insulating wai, by means of which the surreme head of the furface is prevented from attacking the smoke jacket or outer cashing of the builer, which is formed of sheet from and is placed close up to the insulating row of tubes, as shown it would appear at first sight that this row of small tubes would adord but little projection, but it will be evident on reflection that the temperature of the year of an an electron that the temperature of the pressure, unless steam be generated in the tibes and become superheased. The excellent circulation maintained in the Thorprorist bother is, however, relied upon as sufficient to prevent any superheating. It will be seen by the sectional plan, Fig. 4, that the wing pipes are carried right round the back of the grate, and are attached to the bottom central cylinder by a mags. The tubes, however, are not carried further than indicated in the plan, so that the back end of the botter has to be insulated by fire tiles or other means. The attachment of the inbest in he wing propes in male and being held, by means of glands, in a summary and being held, by means of glands, in a summary and being held, by means of glands, in the supper opinder or steam separator the suds of the tubes are expanded in the separator the suds of the tubes are expanded in the second way.



PIO. 3. CROSS SECTION.

It is further noted by our London contextporary that a leading feature of the Thornyrroft boiler is the arrangement of the tubes
which form the heating surface, so that the
spaces enclosed by thom constitute flues for
the passage of products of combustion to the
chimner. Hence the main series of tubes, in
the present type of boiler, on the inner side of
each furnace, have their extreme rows ac
arranged that the tubes are touching, as in
the single rows of insulating tubes. To effect this the tubes are bent at the
ends, where they are expanded into the
upper and lower cylinders. At the bottom and
top, where they are expanded into the
upper and lower cylinders. At the bottom and
top, where they are expanded into the
upper and constitution pass in through the triangular spaces at the bottom and ascend, circulating among the inner rows of unbesimble
do not touch each other, and finally pass to
the heart-shaped space in the middle of the
boiler, which thus becomes a smoke chamber
leading to the uptace at the back.

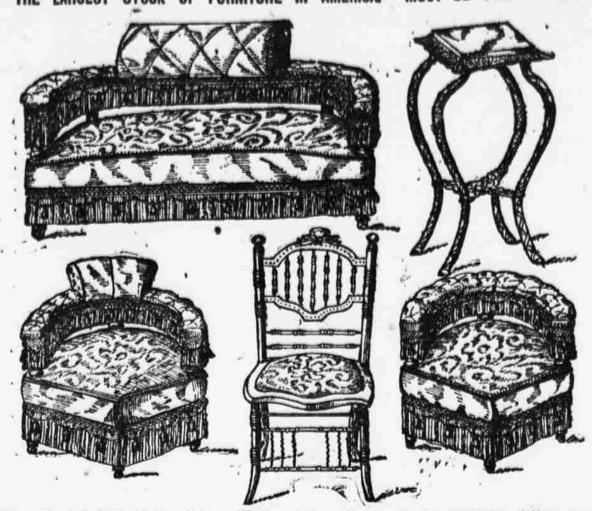
The circulation is secured by means which
are an improvement over the methods of the
older water-futhe boilers. In those the ends of
the top and bottom cylinders were carried beroad the casing of the boiler, and were there
connected by large pipes called downcomers.

In the new type these downcomers are piaced withthe the entral annets chamber consecting its logs and

connected by large pipes called downcomers.

In the new type these downcomers are pieced with the sentral smoke chamber connecting the lop and bottom cylinders as shown in the close tool long to the sentral smoke in the close tool long to the sentral smoke in the close tool long to the latest in will be sent that the shown for sent that the shown for expansion and contraction as a sent that the sent the sent the sent that the sent that the sent that the sent the sent that the sent the sent that the sent that the sent that the sent the sent the sent that the sent the sent that the sent the sent the sent the s Compactness and large heating surface, with a manageable size of grate, due to the double furnace, are thus characteristics of the

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Daring type of bolier. Six boilers of the older type would have been required, it is said, to do the work of three of the Daring, the total heating surface of each of the three being 2,848 square fect, and the grate area of each boiler tis square feet. Engineering further notes that of late years the incrustation from deposits in the tubes of water-tube boliers is much less than it used to be a dozen years ago, and that even the trouble which arises from grease which comes over with the feed may be stopped by a grease arrester, in the dealern of which success has probably been reached. The Messrs. Thornycroft say that asit water can be used in the boiler, thoughthey do not advise it. On this matter of sait water Engi-

FIG. 4-SECTIONS OF DIFFERENT PLANES.

rice 4-sections of different plants.

neering discourses as follows: "Many of our readers will, berhaps, remember that about iffteen years ago a pipe boiler was introduced into this country from the United States, and was said to be capable of running with wholly sait water feed. The somewhat heroic means of freeing the tube of the scale that formed was to heat the generating coil to a dull red heat, and then flood it with cold feed, so that the sudden cooling and contraction of the metal cracked off the adherent scale, which was swept out at the same time by the rush of steam through the blow-off. That some scale could be removed in this way we had proof, and also that some scale remained, for more than one coll became all but chaked up from this cause. However, none of the forms of pipe boiler now before the engineering world are capable of withstanding so drastice a remedy without ruin to their constitution, and the matter is only recalled as an interesting instance of the courage of American inventors. It may be added that the introducers of this coil boiler got over another difficulty that besets the path of the user of the water-tube boiler, namely, the accumulation of soot and line ash among the tubes, by the very simple method known to a past generation of washerwomen as "skying the copper," the process consisting of blading a parcel of guapowder in the fire and shutting the furnace door sharp." As to this matter, for our three latest light draught sunboats. Nos. 7, 8, and 9, although two of them have an estimated weight of 10 tone of fresh water for their boilers, and the thirl a weight of 11 tone, yet since they are intended for use in Chinese waters, thief kngineer Meiville has chosen boilers which oan, it necessary, be fed with sait water and readily scaled.

Returning to the new type of Thornyeroft boiler, Ampusering observes that it possesses to a greater degree than the older design the advantage of a lofty furnace. The difficulty in etoking long grates consists largely of the fact that in cylind

Proper Treatment of a Ratiway Hog. From the Bulcomere Sus. A car-seat monopolist, one of those men who spread themselves out for more comfort than they are entitled to, was discomfited Saturday on a Royal Blue train between Washington and Baltimore. In the ladies' car only one seat was left vacant. It was next to the window, and on it was placed the overcoat and travelling bag of the man who sat at the other traveiling tag of the man who sat at the other end of the seat. Two ladies entered the car and the colored perter polificy saked the man in give the vacant seat to one of the ladies. The man fild not reply, and the porter, still polite requested the man to remove his laggrant. The indies passed on.

An athletic roung man in the car, who was a stickles for tair play rose from his seat, got one of the ladies to take it and threw his overcost ever his arm and strods to the seats occupied by the mean man. He said not a word, but steeped over the monopolists feet tossed his overcest across the back of the seat threw the other man's overcest to one side dropped his value to the floor, and took comfortable possession of the seat. After the young man had easted himself all the passengers in the car chapped their hands in appliance. Clear cases were produced and thrust at the hero, and he was kept busy declining levitations to go to the smeking room and take somethins. The other man wilted, and burying his face in a newspaper did not emerge from it until the train stopped at Camden station.

bled at the locket at his chain which held her

picture they remained silent. "Like most men in the army, I fell in love young, and was married in Fredericksburg in '03, returning to my post of duty almost immediately after I was made the happlest man on earth. My father-in-law was a racing man a breeder of thoroughbreds, and when I went

"OG, returning to my post of duty almost immediately after I was made the happiest man on earth. My father-in-law was a racing man, a breeder of thoroughbreds, and when I went hack to my regiment I carried with me a three-year-old mare as a present from the old gentieman, who said that, having no boy of his own, he wanted the son of his adoption to be well mounted and a credit to the army. The mare was a lovely chestnut in color, and, although a trifle undersized, handled my 1050 pounds as though it were play for her, seeming absolutely tireless and possessed of speed of such a high order that she won several match races for me with the utimest ease. Nutshell was the name given to her by my father-in-in-w, and out of respect for him I did not change it, although I often thought that it scarcely seemed fitting for such a glorious mare. I rode her through a number of engagements and never found her wanting. In butile she had all the courage of a stallion, and entered into the spirit of the centest with a vigor that was amazing. Hereyes fairly blazed on such occasions, and she struck with her front feet at the enemy with a furr that transformed her so that she did not seem the same animal that was so decile before the trumests sound-ed. I remember once in the Sheanadoah Valley that she bockme un-outrollable for a time in the heat of a light, and fasteued her test into the neck of an opponent's charger and never gave up until he was dead and his rider my prisone.

After hestilities had ceased my father-in-law missted that my wife and I should make our home with him. Having no inner for the immediate months of dime, July, Aug."

After hestilities had ceased my father-in-law insisted that my wife and I should make our home with him. I laving no inner for the immediate my missted was most happily."

After hestilities had ceased my father-in-law insisted in the secondary heat of the past.

The cloims looked at the window, where the snowlakes were eddings, and the past.

The cloims looked at the window, where the snowla

MUSHIELD'S SPLENDID GALLOP.

It Was the Speed and Betteen of the Little Mure that Naved Her Misteren's Life.

"See yone chorse's foot that hangs on the and lover the fireplace?" said Col. Bowne meditatively, as he fileded the ashes from the tip of his cigar in his anartments up town on Thursday night. The wind and snow were holding carnival in the streets, making everybody within doors thankful forthe shelter of a home. Three guests had dined with the coinnel and they were now seated about the coinnel, and they were now seated about the coinnel, and they were now seated about the coinnel, and they were now seated about the coinnel and they were now seated about the coinnel, and they were now seated about the coinnel and they were now seated about the coinnel, and they were now seated about the coinnel and the were now seated about the coinnel and the

What of him?"
"Oh, his health got bad, and he didn't live long afterward."

TWO WILD SWANS,

They Are Dead and Ought to Be, According to Bradner, Breker, and Totten.

MIDDLETOWN, N. Y., Dec. 23.-Recorder John Bradner, Capt. C. M. Totten, and Lawyer George Decker of this city got home Friday. They had been down to Virginia Beach for a fortnight or so, eating terrapin and birds, and getting wild ducks, goose, and swans. They rought back 150 ducks, 2 swans, 3 geese, and I brant. Of the ducks, 75 are canvasbacks.

Personally, I am prouder of that roke of swans than all the rest of the catch put together," said Recorder Bradner, in strict confidence to a few friends. "Don't tell Capt. Totten or George Dacker that I told you, but I got both of those swans at one shot. I was lying low for ducks, and was just on the point of knocking over a whole lot, when I saw the two swans swooping down toward me.

What's the use of bothering with ducks when I can get swans?' says I to myself. 'I can get ducks any time. I guess I'll gather in

those swans.'
"At first I didn't think of getting them both at one shot, but as they drew near it suddenly struck me that I might as well do it and save time and ammunition. I had to do some managing, though, to tumble 'em both at once, for from the way they were firing I saw I couldn't do it. They were coming head on, one swan being about two feet ahead of the other. But they were close together. The one in the lead was nearest to me, and could see me instanting if I exposed myself. The other one's head was hidden by the body of the nigh one, and couldn't see me right away if I showed myself. This was my opportunity. When the team of swans had come within easy range. I arose from my hiding place. The nigh swan saw me, and quickly slackened its pace. The other one didn't see me, and came right on. This brought his head up even with the head of his mate, and at that instant I blazed away, and ther both came down with a plunk. Don't ear anything to George Decker or to Cap Totten about it, though. They're all broke up because they didn't get a shot at any swans and don't like to hear about it."

Bay, I never knew that swans could think so quick in emergencies." said Lawyer Decker, when he was called upon at his office by friends and seked about the hunt. "I really intended to shoot but one of that big brace we brought back with us, but I was compelled to shoot them both. Cap Totten and John Bradner pretend they don't believe that I shot these swans in that way, but the fact is, they are swans in that way, but the fact is, they are madder than well hone because they didn't get any swan. If you don't want to worry 'em and kind o' dampen the pleasure of their recollections of our stay at Virginia beach, don't mention swan to 'em. I wish rou wouldn't, for they'll think I'm only giad to tell about it at their expense, and it might make hard feelings.

"The day I shot those swans I said to the boys: I'm tired of whanging ducks, so I guess I'll bog a swan-to-day, just for a change."

They both smiled frontesily. But I didn't mind 'em, and went out. I had scarcely got to the water when I saw two swans coming my

oli chap off of his perch.

And I did. He came down, and never kicked after he fell.

Now, says I, 'unissa I don't know awans, this one has got a mate nosing around after something in these woods. Terrapin, maybe, so I'll just wait, for that old awan will be coming back to its mate before many hours.

I guess I hadn't waited more than ten minutes when I heard a noise, and, peering through the bushes, I saw the other swan loping along toward the free where they had their roost, and maybe their nest. At first I thought I'd let it come up close before I shat it, but then I thought there was no use of laving the swan feel bad when it saw its dead mate, so I dropped it in its tracks before it came in sight of the other. George and John were madder than Sam Hill when I came toting those two swans in, and if you have any regard for them you will keep mum about it.

But say, sall the Captain, maybe there isn't a difference in the price of cartrashacks up here and what they cost down there. Whey we'd had to say So a pair for 'sm unbere. We could buy 'em down there for less than a dollar pair. That is, 'said the Captain, getting a little red, and remembering an engagement somewhere size; 'that is, if we had been buysing ducks.'

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